

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098006.D
 Acq On : 24 Aug 2017 17:13
 Operator : SJ/JU
 Sample : I4919-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-W(0-5)COMP

Manual Integrations
 APPROVED

Sohil
 8/25/2017 5:40:03 PM

Quant Time: Aug 25 01:42:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	122848	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	479604	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	216723	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	419160	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	314125	20.00	ng	-0.01
86) Perylene-d12	15.30	264	271755	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1077062	133.36	ng	0.00
7) Phenol-d6	6.38	99	1466224	133.61	ng	0.00
23) Nitrobenzene-d5	7.30	82	896477	101.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	267907	142.47	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1130032	76.61	ng	-0.01
78) Terphenyl-d14	12.84	244	1003869	66.64	ng	0.00
Target Compounds						
10) Phenol	6.39	94	33572	2.616	ng	99
49) Dimethylphthalate	9.49	163	211682	13.362	ng	99
70) Phenanthrene	11.27	178	298757	13.376	ng	99
71) Anthracene	11.33	178	49523	2.186	ng	98
74) Fluoranthene	12.46	202	288455	12.373	ng	97
77) Pyrene	12.69	202	261166	10.165	ng	98
80) Benzo(a)anthracene	13.87	228	99207	5.269	ng	99
82) Chrysene	13.91	228	101915	5.442	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	42764	3.104	ng	94
87) Benzo(b)fluoranthene	14.90	252	96192m	5.616	ng	
88) Benzo(k)fluoranthene	14.92	252	38705m	2.405	ng	
89) Benzo(a)pyrene	15.24	252	74997	4.946	ng	96
91) Benzo(a,h,i)perylene	17.07	276	42405	3.292	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

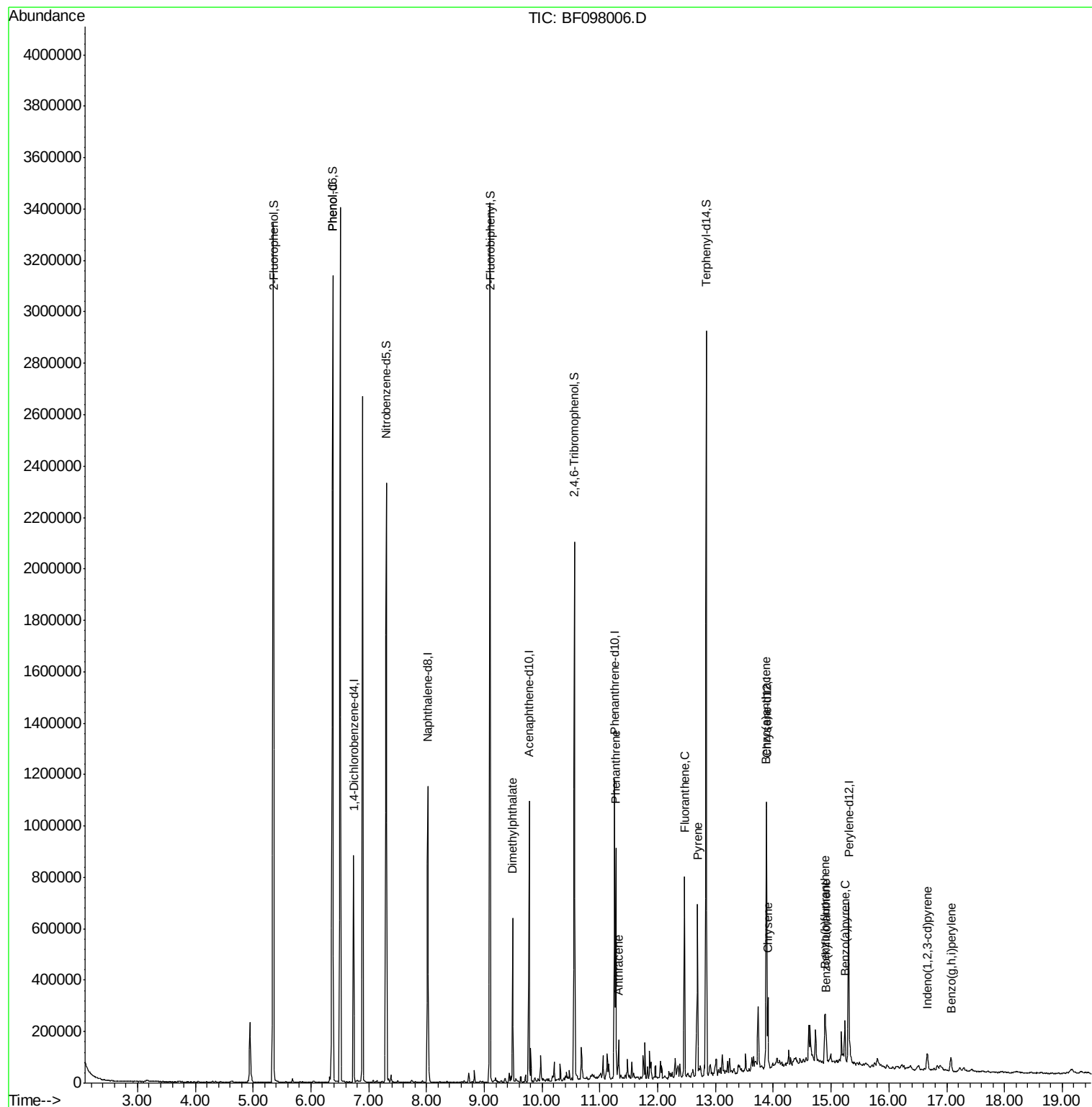
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
Data File : BF098006.D
Acq On : 24 Aug 2017 17:13
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ALS Vial : 7 Sample Multiplier: 1

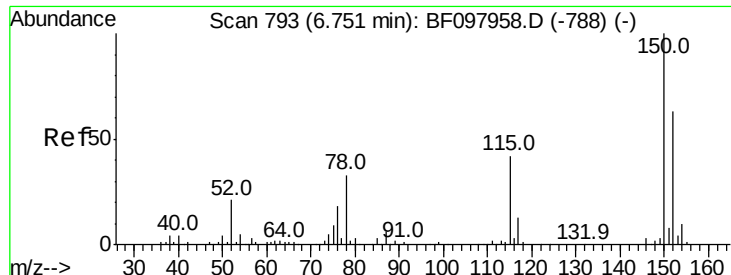
Instrument :
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SASP2P-TP-106-W(0-5)COMP

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#1

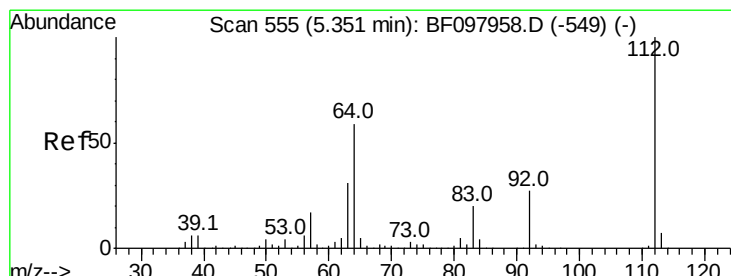
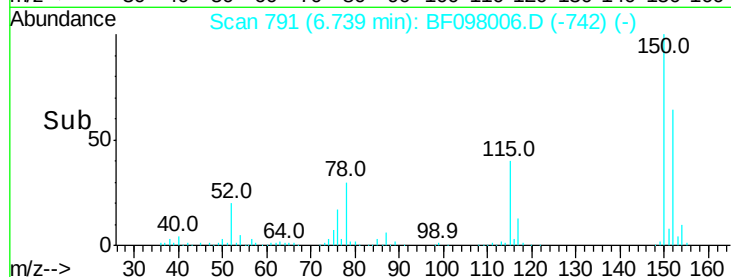
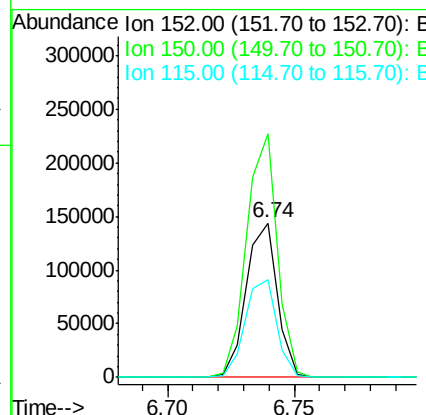
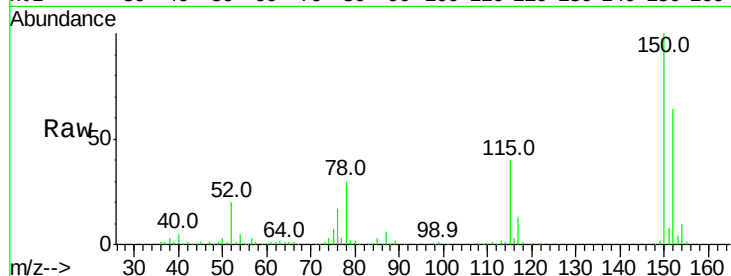
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-W(0-5)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	63.1	52.2	78.2

Manual Integrations
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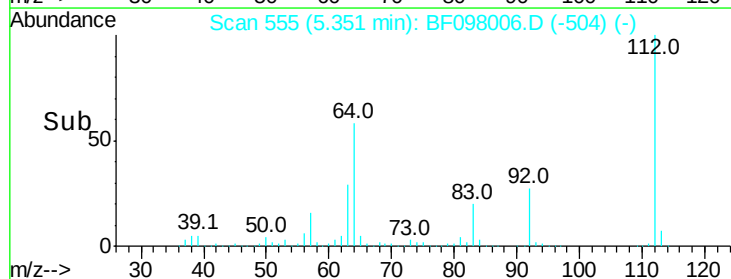
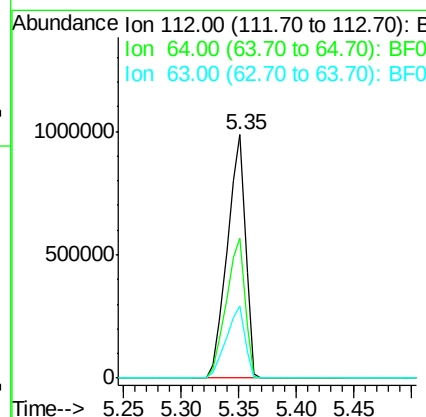
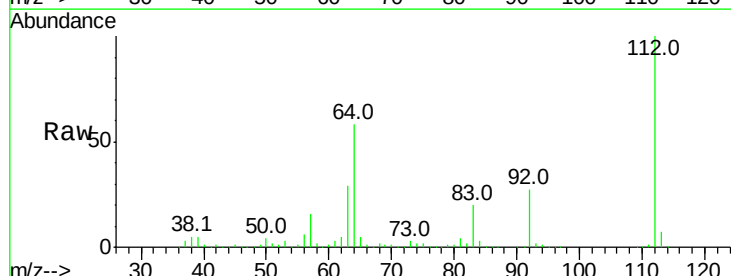
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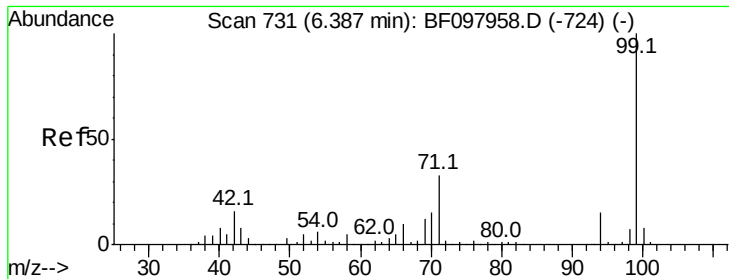


#5

2-Fluorophenol
Concen: 133.359 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.0	69.0
63	29.5	23.4	35.0





#7

Phenol-d6

Concen: 133.615 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098006.D

Acq: 24 Aug 2017 17:13

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-W(0-5)COMP

Tot Ion: 99 Resp: 1466224

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

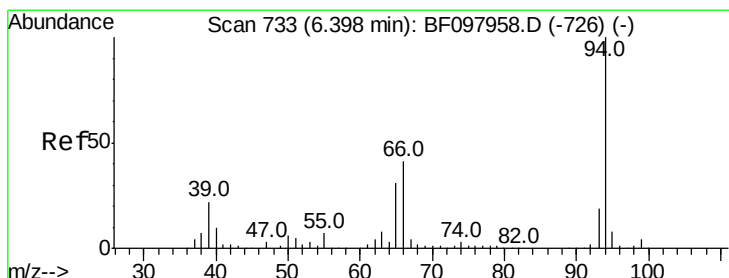
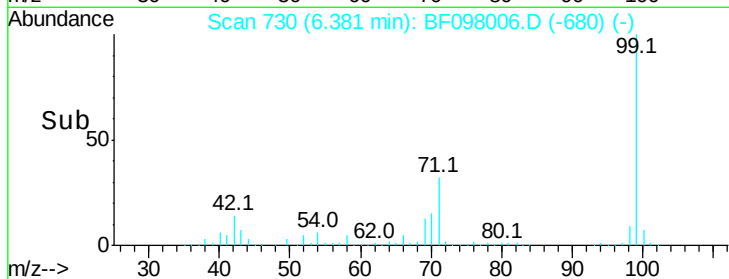
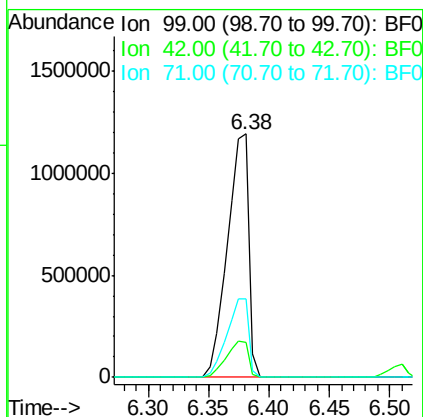
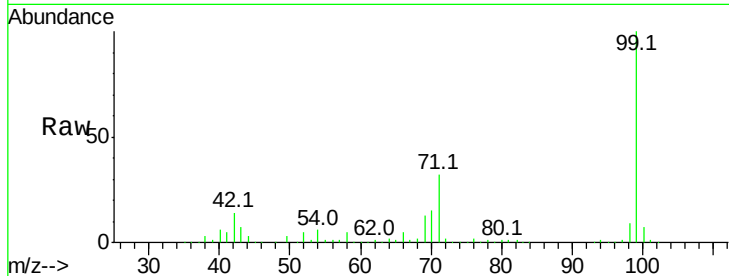
71 32.0 24.5 36.7

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#10

Phenol

Concen: 2.616 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098006.D

Acq: 24 Aug 2017 17:13

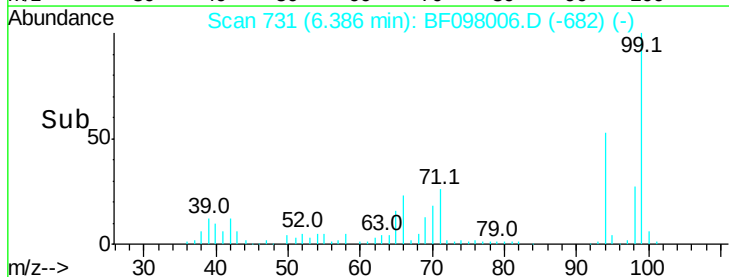
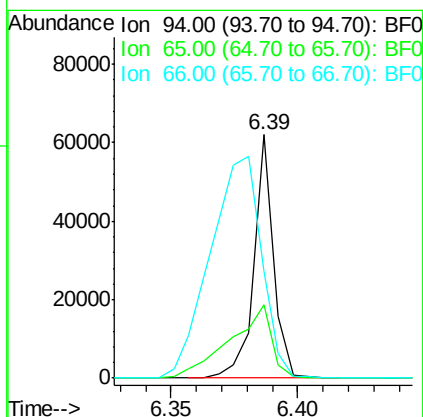
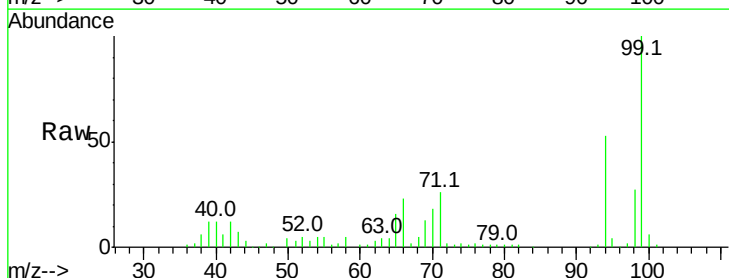
Tgt Ion: 94 Resp: 33572

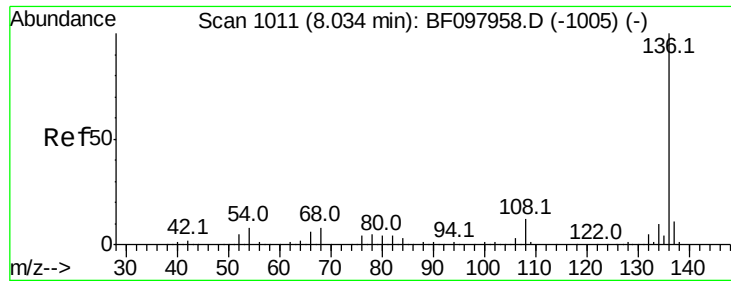
Ion Ratio Lower Upper

94 100

65 30.1 9.9 49.9

66 43.7 23.1 63.1





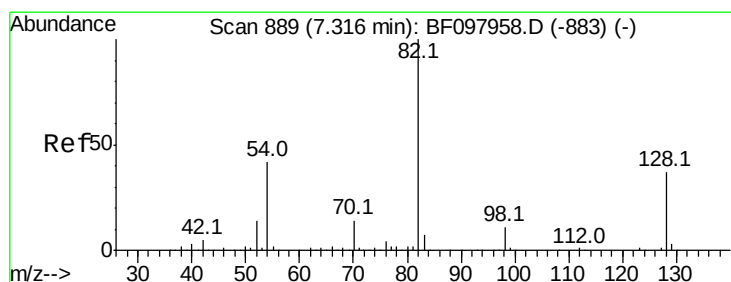
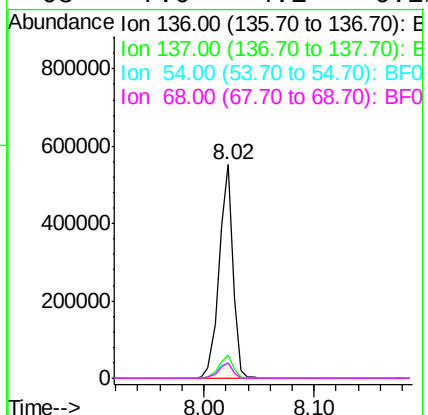
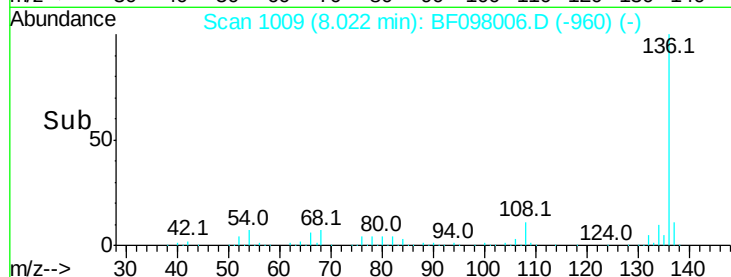
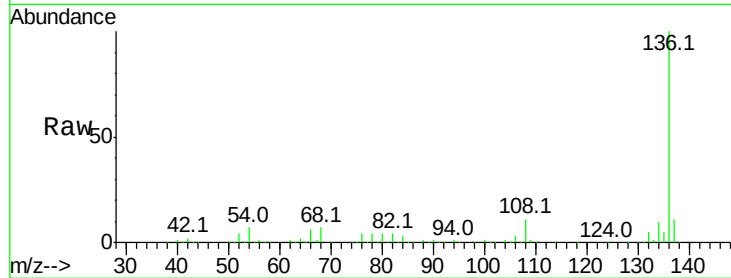
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-W(0-5)COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	7.3	4.9	7.3#	
68	7.0	4.1	6.1#	

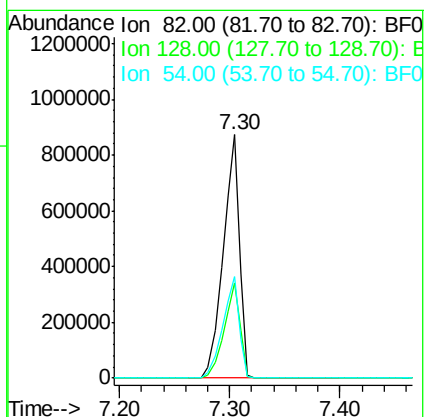
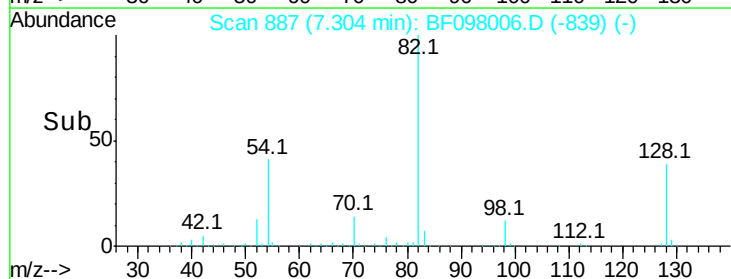
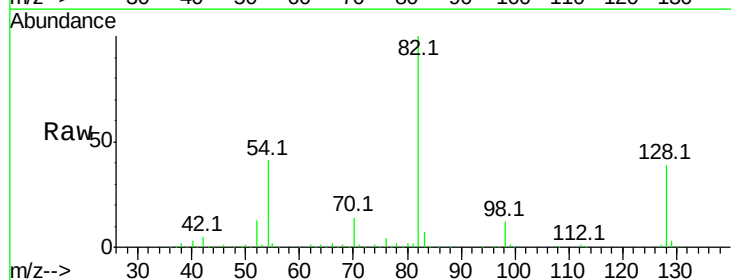
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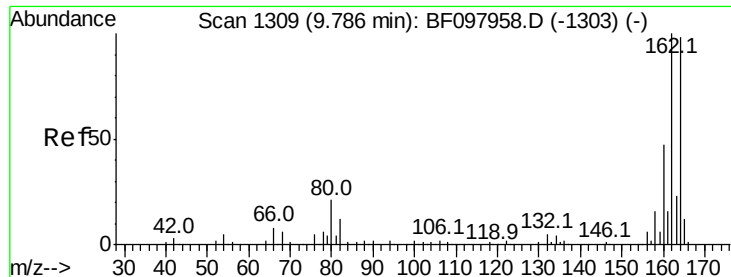
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#23
Nitrobenzene-d5
Concen: 101.544 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.3	34.0	51.0	
54	41.5	42.2	63.2#	





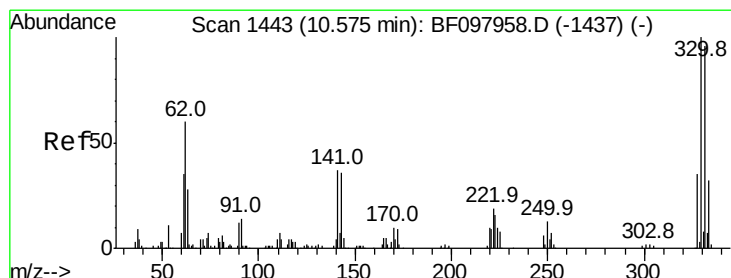
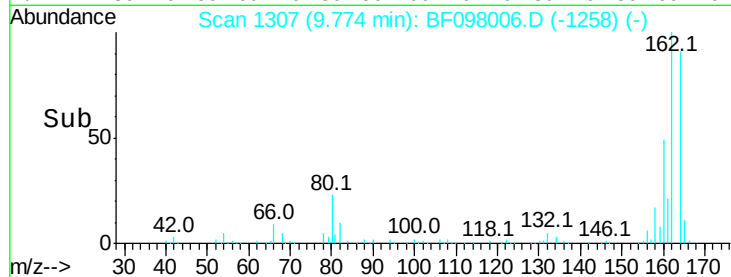
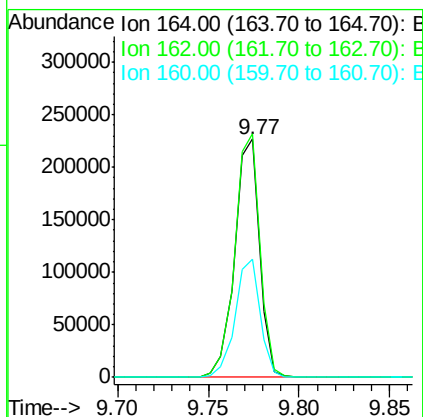
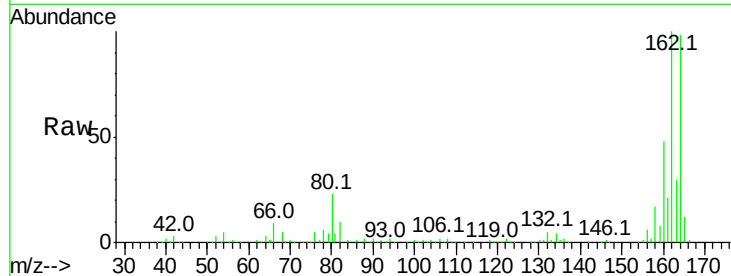
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098006.D
 Acq: 24 Aug 2017 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-W(0-5)COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	49.4	36.2	54.2

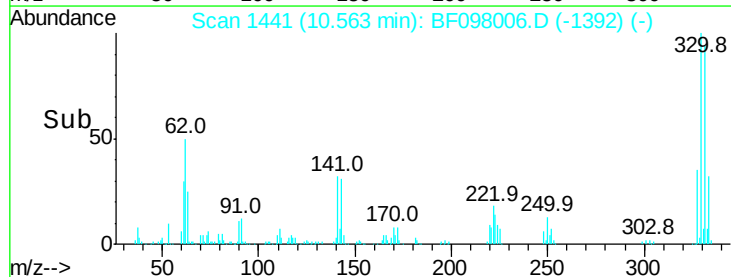
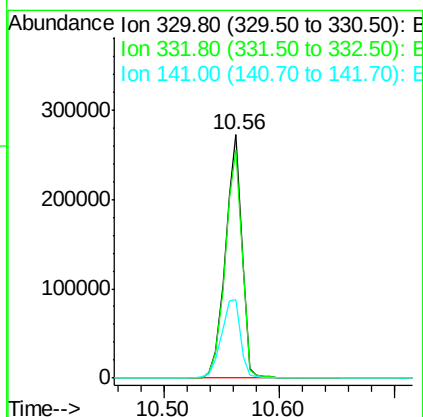
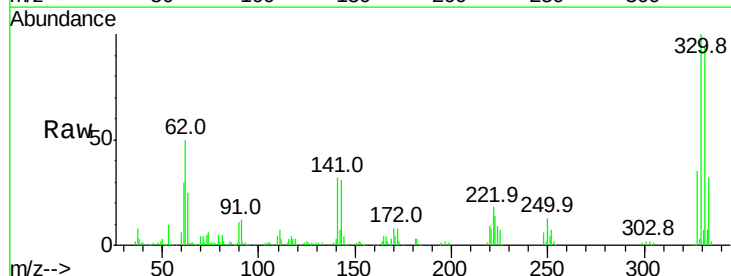
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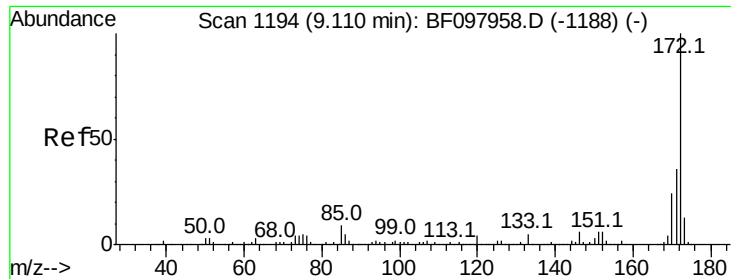
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#41
 2,4,6-Tribromophenol
 Concen: 142.471 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098006.D
 Acq: 24 Aug 2017 17:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	37.8	31.4	47.2





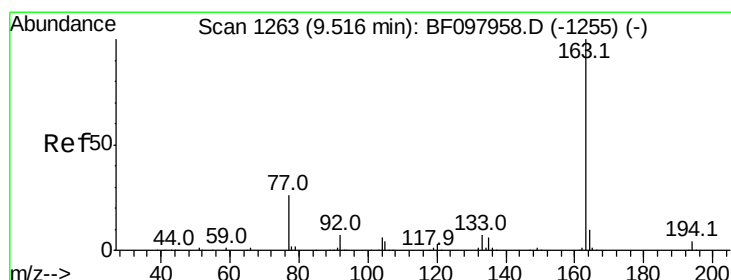
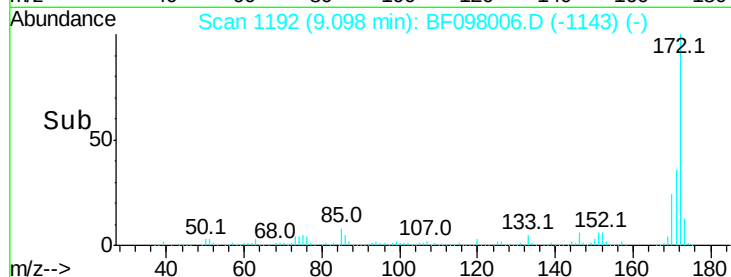
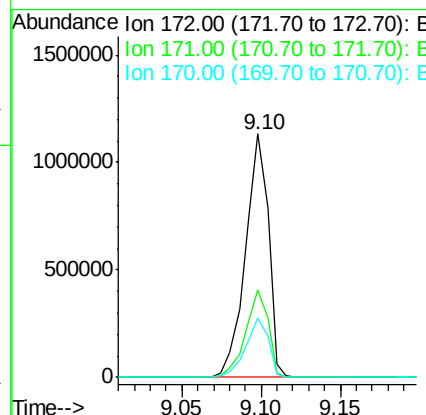
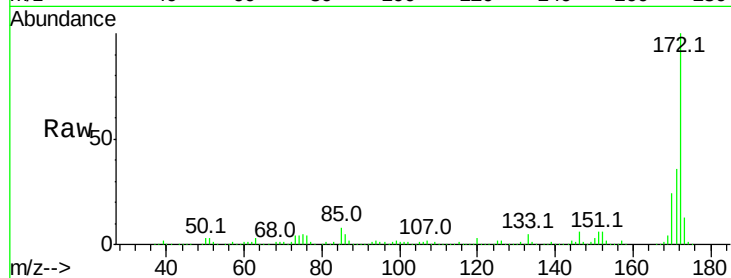
#44
2-Fluorobiphenyl
Concen: 76.607 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-W(0-5)COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.4	19.8	29.8

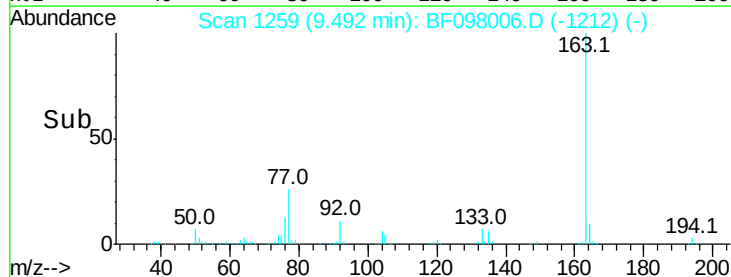
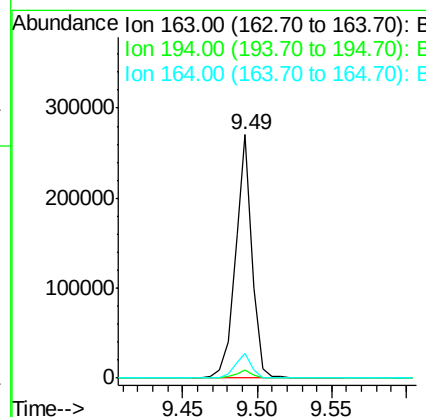
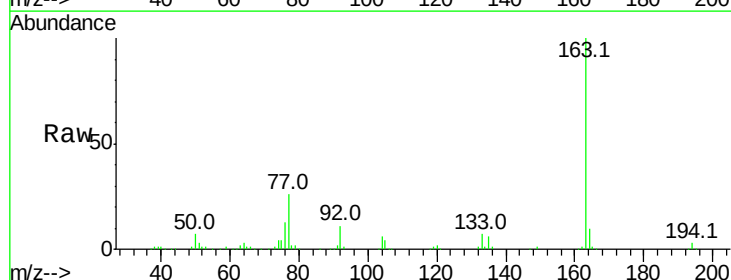
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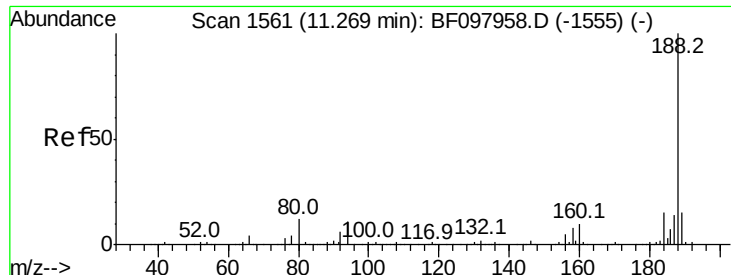
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#49
Dimethylphthalate
Concen: 13.362 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.2	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098006.D

Acq: 24 Aug 2017 17:13

Instrument :

BNA_F

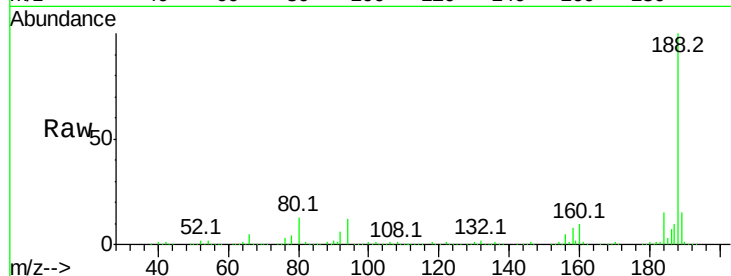
ClientSampleId :

SASP2P-TP-106-W(0-5)COMP

Tot Ion:	188	Resp:	419160
Ion Ratio	Lower	Upper	
188	100		
94	12.3	9.4	14.2
80	13.2	10.2	15.2

Manual Integrations
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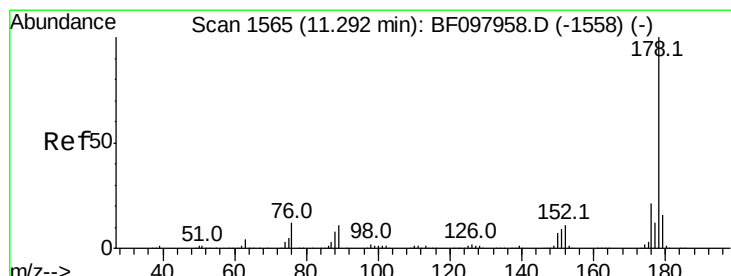
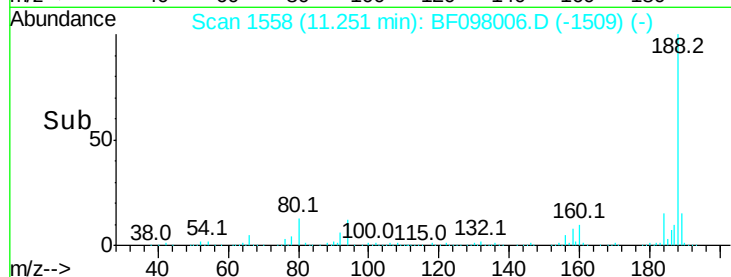
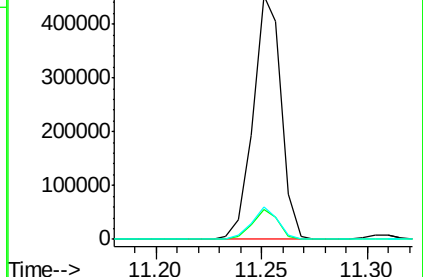
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 13.376 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098006.D

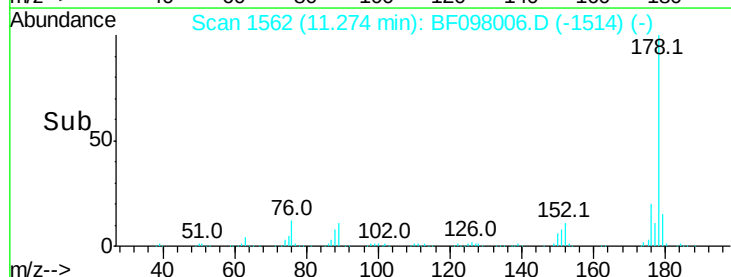
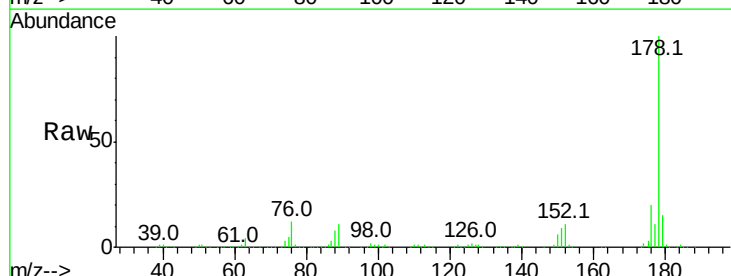
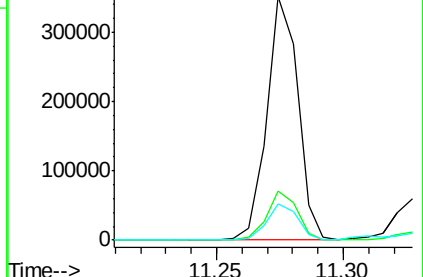
Acq: 24 Aug 2017 17:13

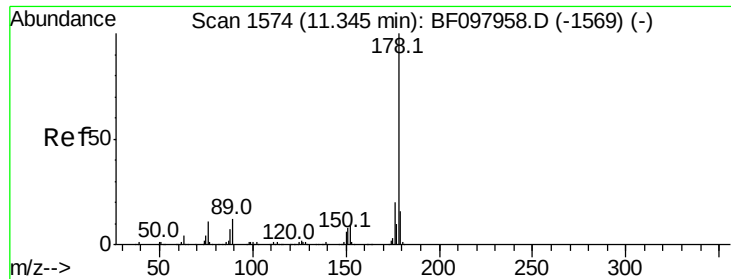
Tgt Ion:	178	Resp:	298757
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.2	24.4
179	15.1	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





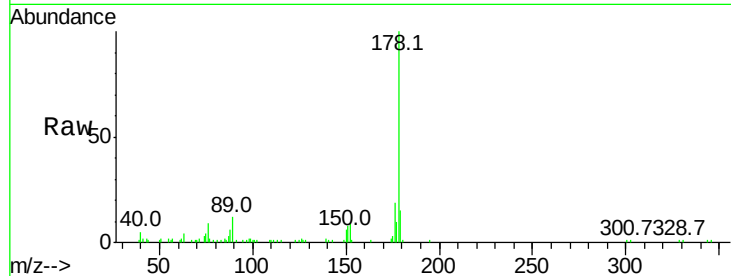
#71
 Anthracene
 Concen: 2.186 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: BF098006.D
 Acq: 24 Aug 2017 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-W(0-5)COMP

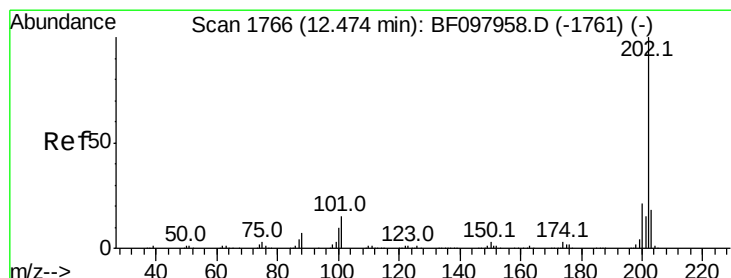
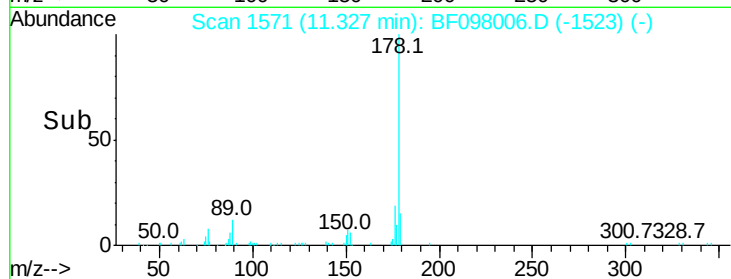
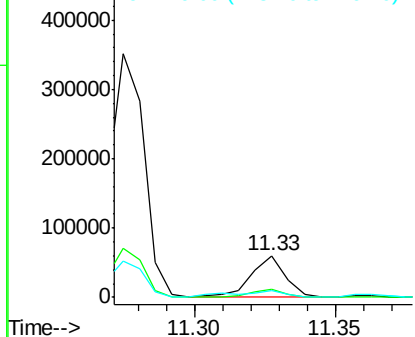
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.0	12.7	19.1

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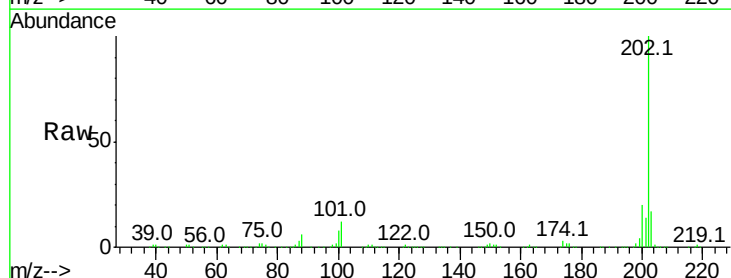


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

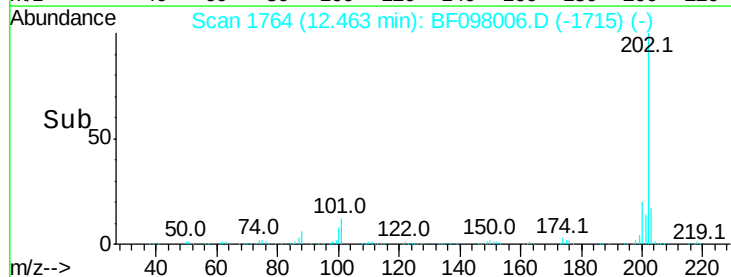
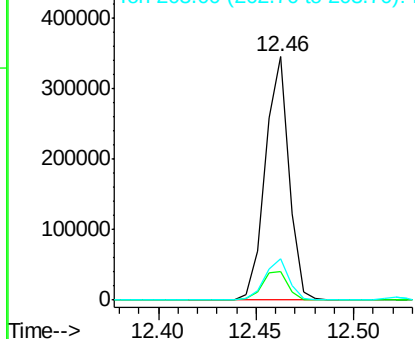


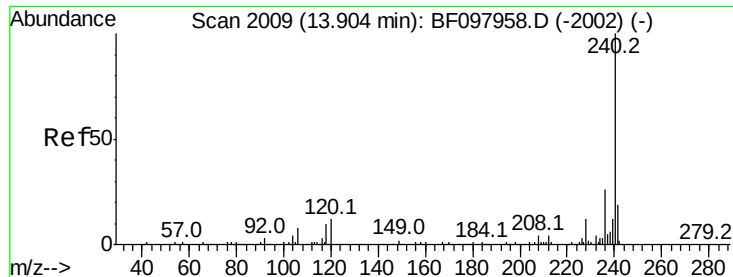
#74
 Fluoranthene
 Concen: 12.373 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF098006.D
 Acq: 24 Aug 2017 17:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.2
203	17.0	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098006.D

Acq: 24 Aug 2017 17:13

Instrument :

BNA_F

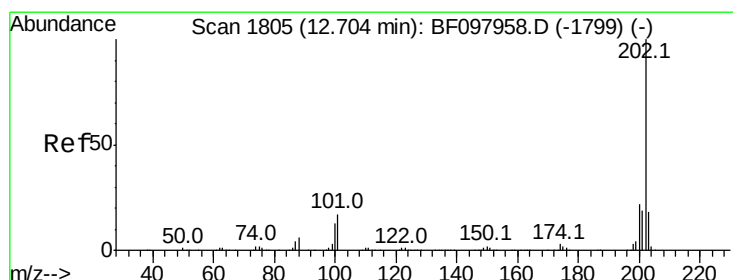
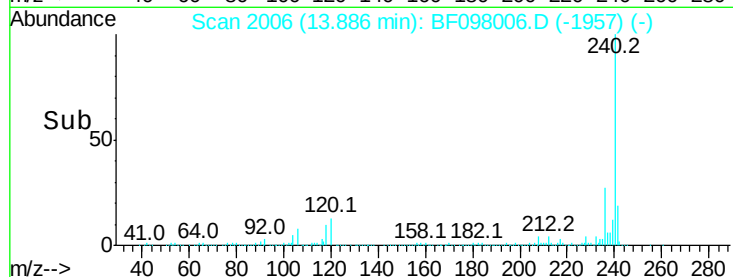
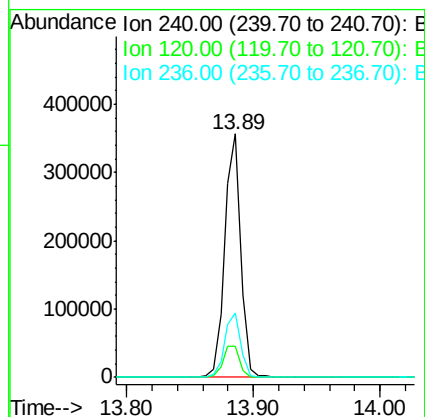
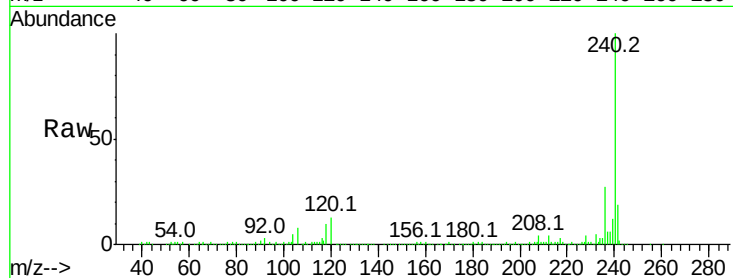
ClientSampleId :

SASP2P-TP-106-W(0-5)COMP

Tot Ion:	240	Resp:	314125
Ion Ratio	Lower	Upper	
240	100		
120	12.6	5.8	8.8#
236	26.7	20.5	30.7

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#77

Pyrene

Concen: 10.165 ng

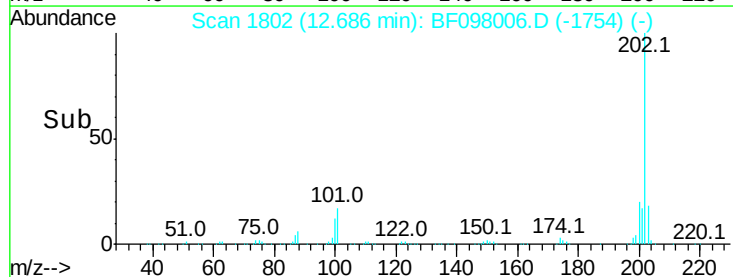
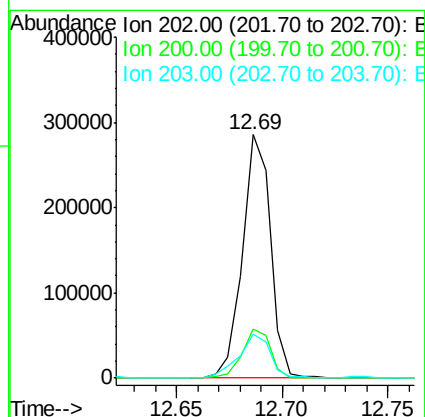
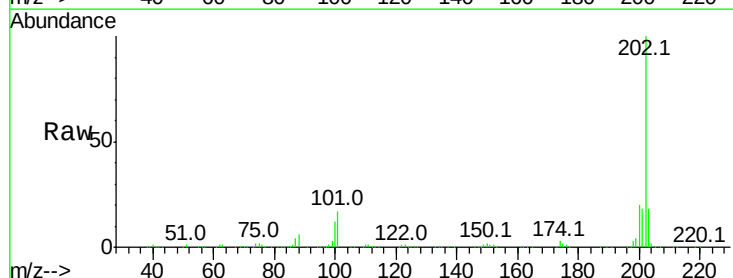
RT: 12.69 min Scan# 1802

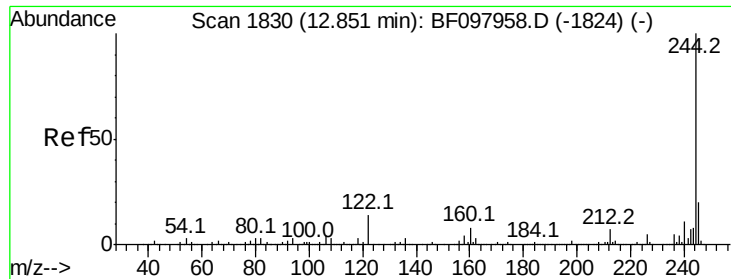
Delta R.T. -0.02 min

Lab File: BF098006.D

Acq: 24 Aug 2017 17:13

Tgt Ion:	202	Resp:	261166
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.6	26.4
203	17.8	14.4	21.6





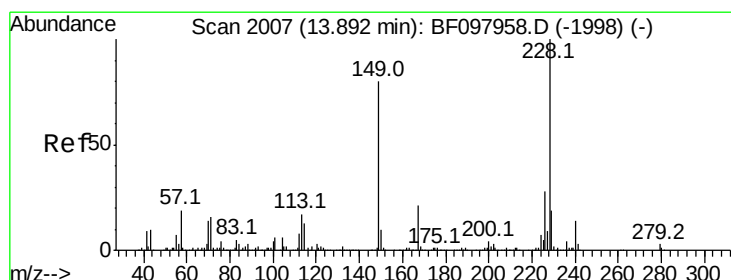
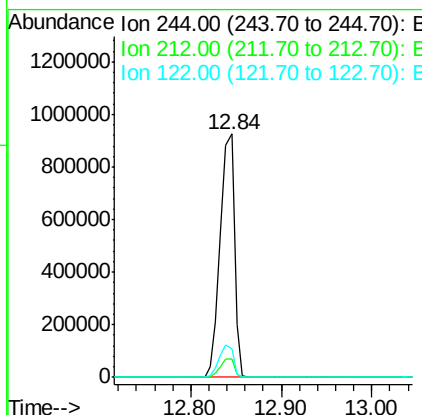
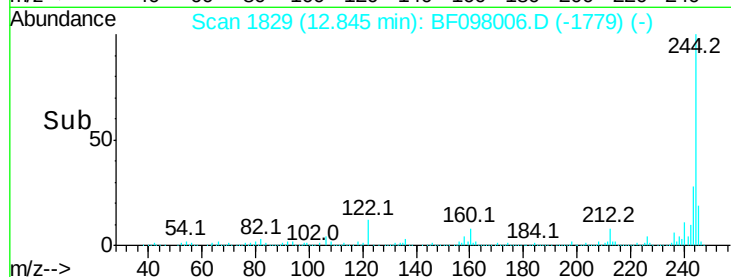
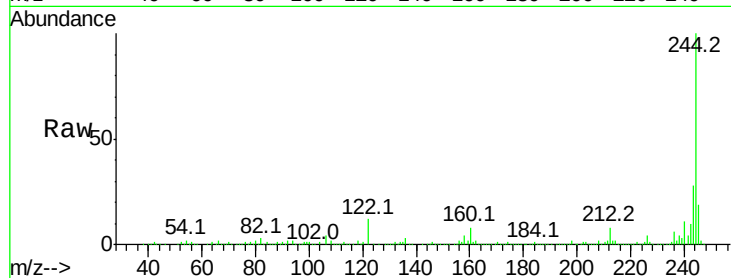
#78
 Terphenyl-d14
 Concen: 66.642 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF098006.D
 Acq: 24 Aug 2017 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-W(0-5)COMP

Tot Ion:244 Resp: 1003869
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 11.8 10.3 15.5

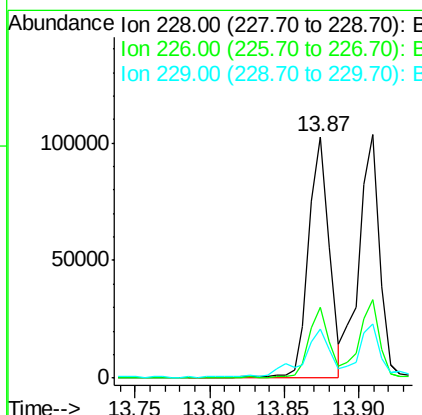
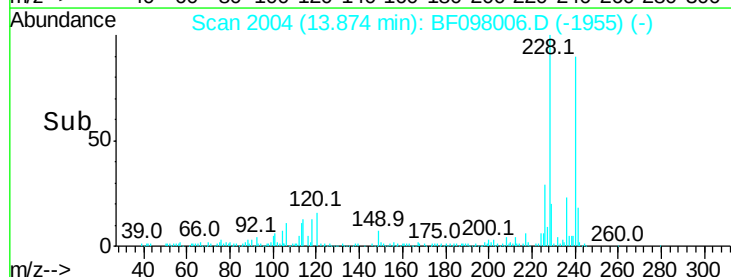
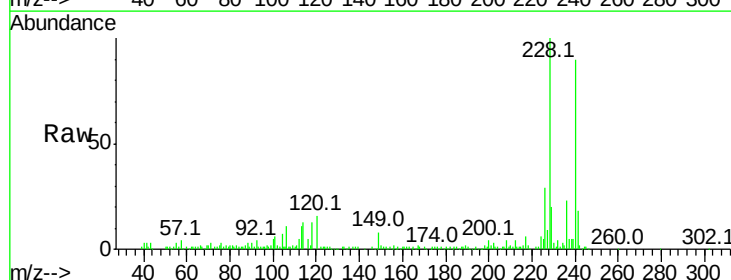
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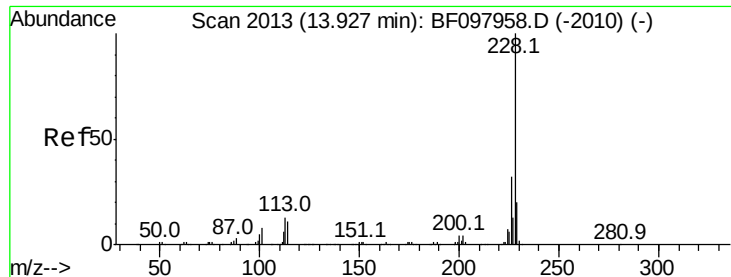
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#80
 Benzo(a)anthracene
 Concen: 5.269 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF098006.D
 Acq: 24 Aug 2017 17:13

Tgt Ion:228 Resp: 99207
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 33.8
 229 20.3 16.3 24.5





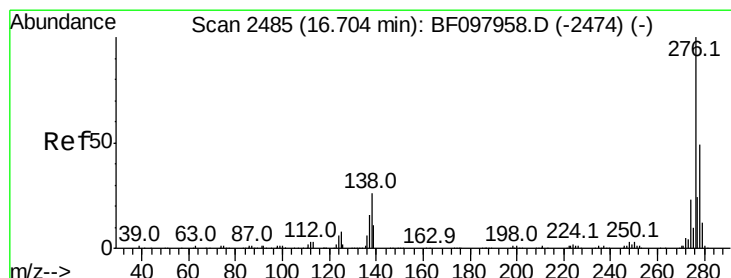
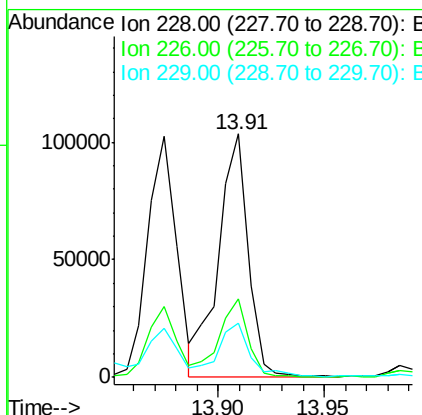
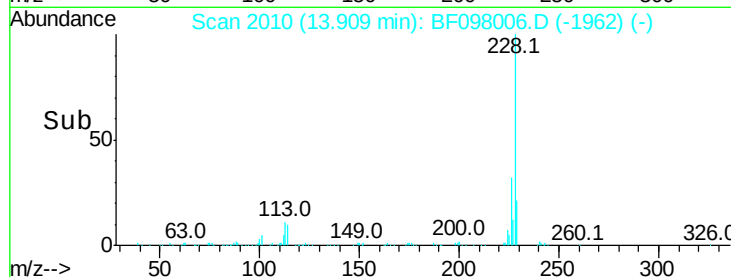
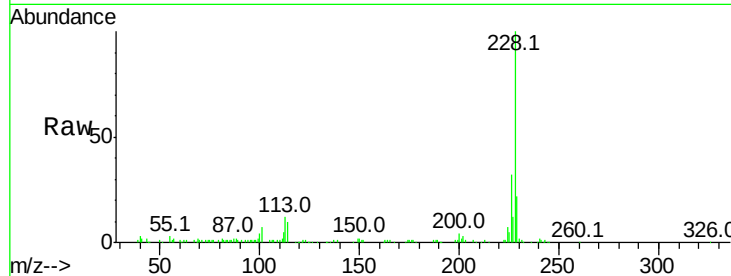
#82
Chrysene
Concen: 5.442 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-W(0-5)COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	22.2	15.8	23.6

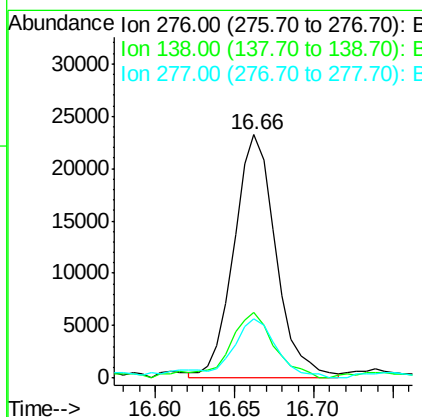
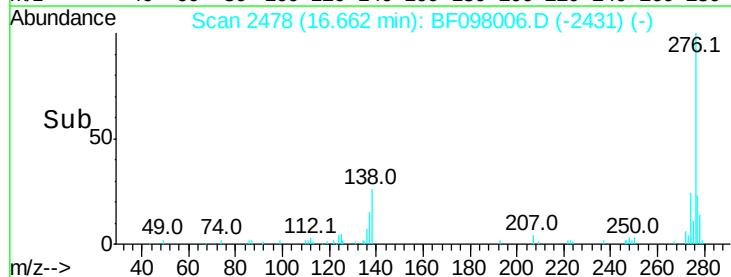
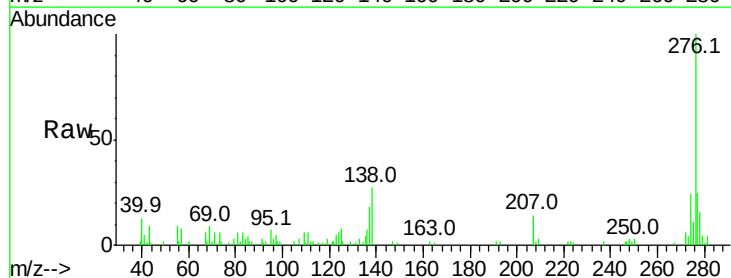
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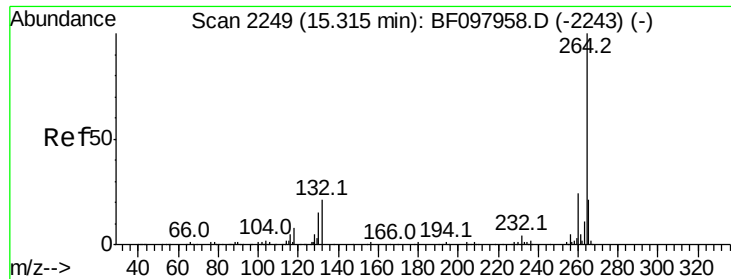
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8/25/2017 5:40:03 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.104 ng
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	27.8	41.6
277	24.6	20.2	30.4





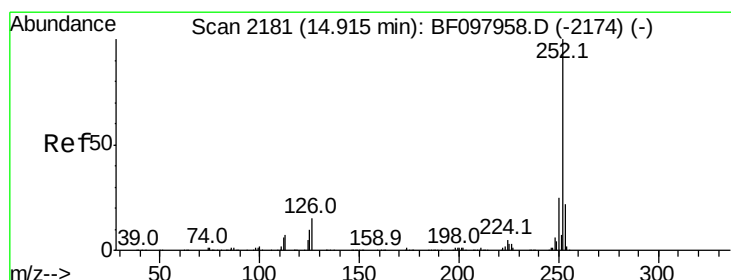
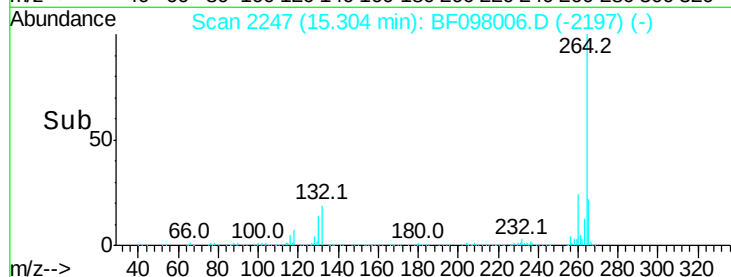
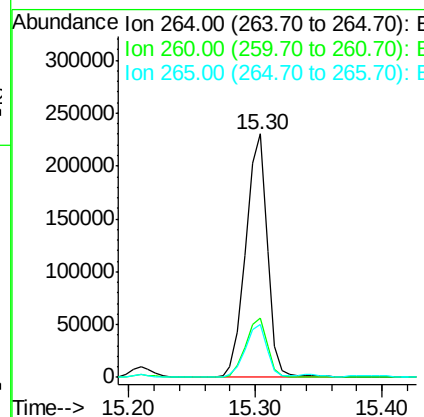
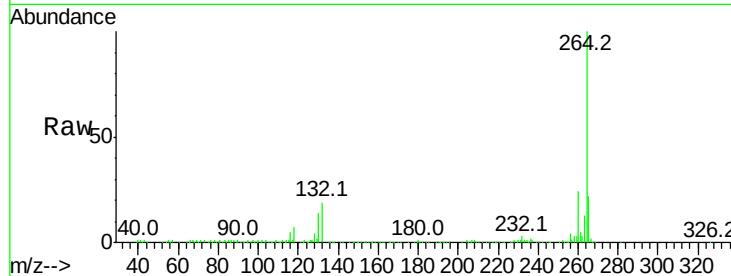
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-W(0-5)COMP

Tot Ion	Ratio	Resp	Lower	Upper
264	100	271755		
260	24.2	19.5	29.3	
265	21.8	17.2	25.8	

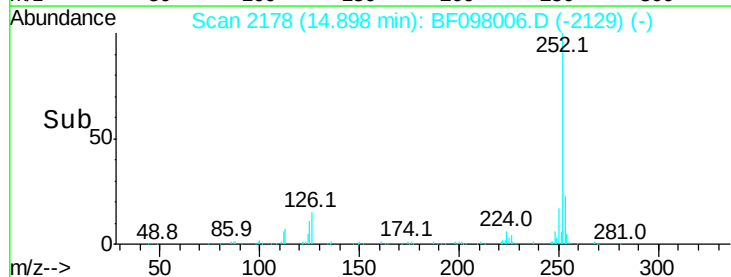
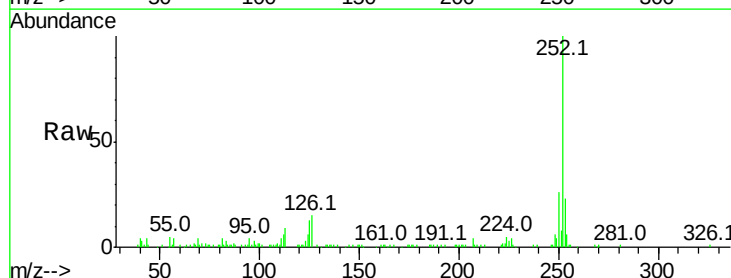
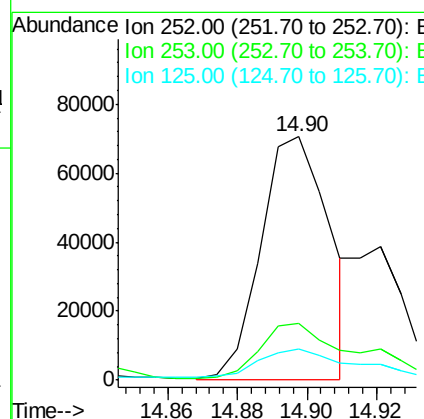
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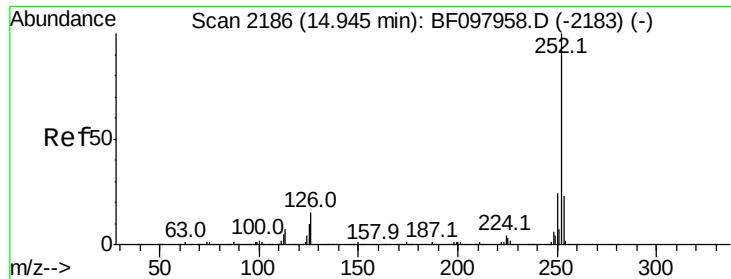
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#87
Benzo(b)fluoranthene
Concen: 5.616 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	96192		
253	23.3	18.1	27.1	
125	12.7	9.8	14.8	





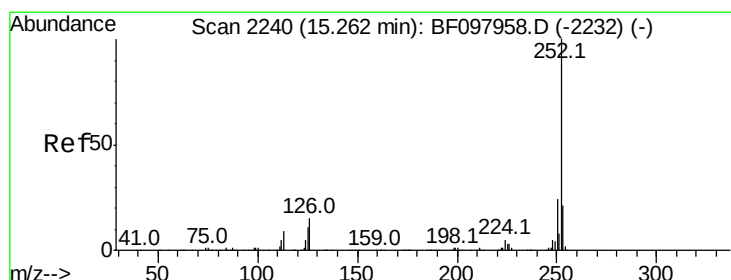
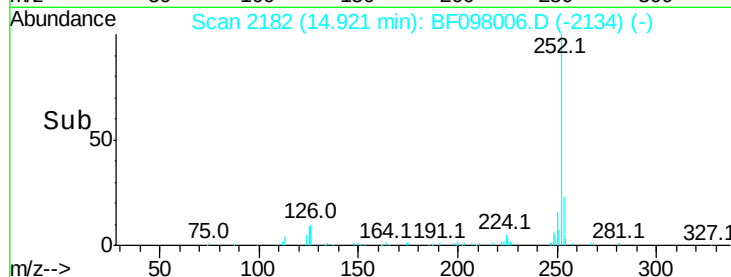
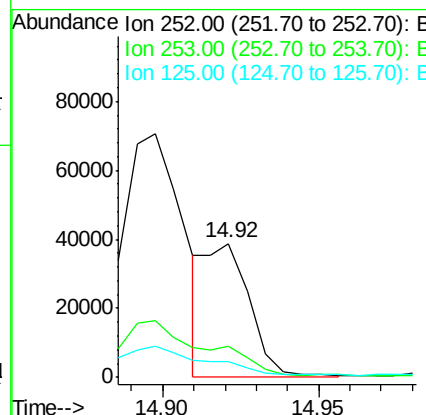
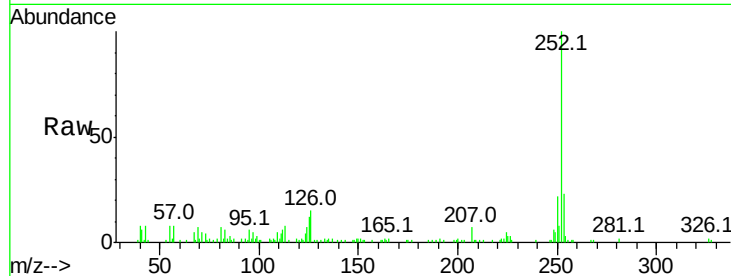
#88
Benzo(k)fluoranthene
Concen: 2.405 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-W(0-5)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	12.1	13.1	19.7

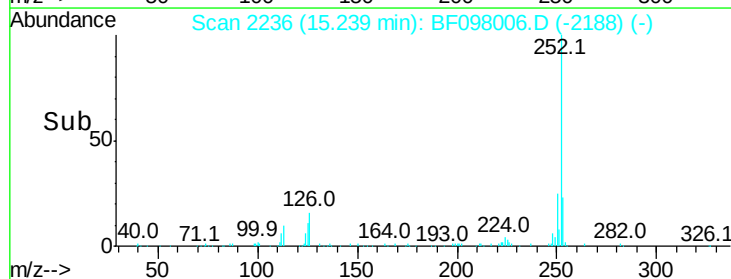
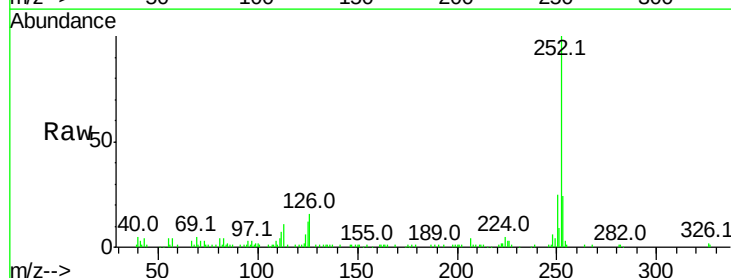
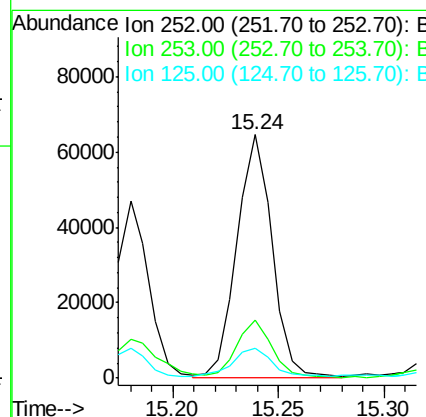
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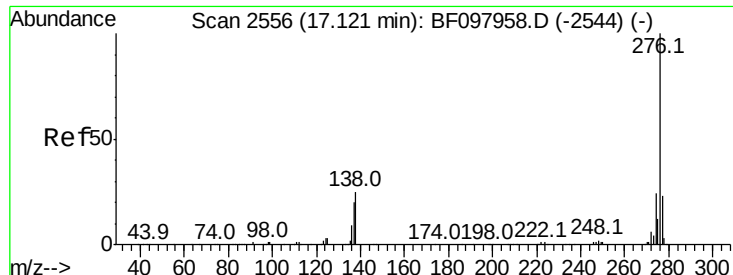
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#89
Benzo(a)pyrene
Concen: 4.946 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF098006.D
Acq: 24 Aug 2017 17:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	12.4	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.292 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.04 min
 Lab File: BF098006.D
 Acq: 24 Aug 2017 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-W(0-5)COMP

Tot Ion:	276	Resp:	42405
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	28.1	25.4	38.0

Manual Integrations
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